DT03 Rec'd PCT/PT0 1.4 JAN 2005

PTO-1390 (Rev. 12-2004)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER 4000841-154775

CONCERNING A SUBMISS	10/5213 9 9 FR 1.5)									
INTERNATIONAL APPLICATION NO. PCT/EP2003/006428	INTERNATIONAL FILING DATE June 18, 2003	PRIORITY DATE CLAIMED July 16, 2002								
TITLE OF INVENTION THE OF INVENTION										
APPLICANT(S) FOR DO/EO/US. Gunter Orschulik										
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.										
. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.										
This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.										
4. The US has been elected (Article 31)	The US has been elected (Article 31).									
A copy of the International Application as filed (35 U.S.C. 371(c)(2))										
a. X is attached hereto (required only if not communicated by the International Bureau).										
b. has been communicated by the International Bureau.										
c. is not required, as the ap	c. is not required, as the application was filed in the United States Receiving Office (RO/US).									
6. An English language translation of	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).									
a. X is attached hereto.	a. X is attached hereto.									
b. has been previously sub-	b. has been previously submitted under 35 U.S.C. 154(d)(4).									
7. Amendments to the claims of the Ir	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))									
a. are attached hereto (rec	a. are attached hereto (required only if not communicated by the International Bureau).									
b. have been communicate	b. have been communicated by the International Bureau.									
c. have not been made; ho	c. have not been made; however, the time limit for making such amendments has NOT expired.									
d. A have not been made an	d. Thave not been made and will not be made.									
8. An English language translation of	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).									
9. An oath or declaration of the invent	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).									
10. An English language translation of Article 36 (35 U.S.C. 371(c)(5)).	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).									
Items 11 to 20 below concern document(s) or information included:										
11. An Information Disclosure Stateme	nt under 37 CFR 1.97 and 1.98.									
	ding. A separate cover sheet in compliance w	ith 37 CFR 3.28 and 3.31 is included.								
13. A preliminary amendment.	A preliminary amendment.									
14. An Application Data Sheet under 3	An Application Data Sheet under 37 CFR 1.76.									
15. A substitute specification.										
16. A power of attorney and/or change	A power of attorney and/or change of address letter.									
17. A computer-readable form of the se	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.									
18. A second copy of the published Inte	A second copy of the published International Application under 35 U.S.C. 154(d)(4).									
19. A second copy of the English langu	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).									
20. Other items or information:	Other items or information:									

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 2

DT12 Rec'd PCT/PTO 1 4 JAN 2005

PTO-1390 (Rev. 12-2004)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

7

U.S. APPLICATION NO. (if known, see 37 CFB 16) INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER						
10/521399 PCT/EP2003/006428		4000841-154775						
21. The following fees are submitted:					Applicant use	Office use only		
a) Basic national fee\$300.00				\$300.00	\$ 300.00			
b) Examination fee\$200.00					\$ 200.00			
X c) Search fee\$500.00				\$ 500.00				
TOTAL OF ABOVE CALCULATIONS = \$1000.00					\$1,000.00			
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra sheets		Number of each additional 50 or fraction thereof (round up to a whole number)					
14 - 100 =	0 /50 =		0		x \$250.00	\$ 0		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					\$			
CLAIMS	NUMBER FIL	.ED	NUMBER EXTRA		RATE	\$		
Total claims	20) - 20 =	0	х	\$50.00	\$ 0		
Independent clai	ms 1	- 3 =	0	х	\$200.00	\$ 0		
MULTIPLE DEPI	ENDENT CLAIM(S) (if ap	plicable)		+	\$360.00	\$ 0		
TOTAL OF ABOVE CALCULATIONS =					ULATIONS =	\$1,000.00		
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.					\$ 0			
SUBTOTAL =				\$ 0				
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$ 0			
TOTAL NATIONAL FEE =					\$1,000.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$			
TOTAL FEES ENCLOSED =						\$		
Amount to be refunded:							\$	
Amount to be charged							\$1,000.00	
a. A check in the amount of \$ to cover the above fees is enclosed.								
b. Please charge my Deposit Account No. 16-2326 in the amount of \$ 1,000,00 to cover the above fees. A duplicate copy of this sheet is enclosed.								
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-2326. A duplicate copy of this sheet is enclosed.								
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.								
SEND ALL CORRESPONDENCE TO:								
		1/2/2/						
Richard M. Mescher Porter, Wright, Morris & Arthur LLP SIGNATURE				- inay				
	· · · · · · · · · · · · · · · · · · ·					M. Mescher		
	, OH 43215				NAME	riesorier		
	-				38,242			
REGISTRATION					ON NUMBER			

CERTIFICATE OF FILING BY EXPRESS MAIL

I certify that this Transmittal Letter to the United States Designated/Elected Office, International Application, English language translation of the International Application, Declaration of the Inventor, Information Disclosure Statement and Preliminary Amendment were mailed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, by United States Express Mail, Receipt No. EV384294596US, postage prepaid, on this 14th day of January, 2005.

Richard M. Mescher

Reg. No. 38,242

PORTER, WRIGHT, MORRIS & ARTHUR LLP

41 South High Street Columbus, Ohio 43215

(614) 227-2026

Int'l Serial No.: PCT/EP03/006428